

OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/648,569

DATE: 09/13/2000
 TIME: 18:32:11

Input Set : A:\PTO.txt
 Output Set: N:\CRF3\09132000\I648569.raw

ENTERED

3 <110> APPLICANT: Maxygen ApS
 5 <120> TITLE OF INVENTION: New Interferon Beta-like Molecules
 7 <130> FILE REFERENCE: 2wo2
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/648,569
 C--> 10 <141> CURRENT FILING DATE: 2000-08-25
 12 <160> NUMBER OF SEQ ID NOS: 38
 14 <170> SOFTWARE: PatentIn Ver. 2.1
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 840
 18 <212> TYPE: DNA
 19 <213> ORGANISM: Homo sapiens
 21 <400> SEQUENCE: 1
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 23 gttcgtgttg tcaacatgac caacaagtgt ctctccaaa ttgctctcct gttgtgcttc 120
 24 tccactacag ctctttccat gagctacaac ttgcttggat tcctacaaag aagcagcaat 180
 25 tttcagtgtc agaagctcct gtggcaattg aatgggaggc ttgaatactg cctcaaggac 240
 26 aggatgaact ttgacatccc tgaggagatt aagcagctgc agcagttcca gaaggaggac 300
 27 gccgcattga ccatctatga gatgctccag aacatctttg ctattttcag acaagattca 360
 28 tctagcactg gctggaatga gactattggt gagaacctcc tggctaattg ctatcatcag 420
 29 ataaaccatc tgaagacagt cctggaagaa aaactggaga aagaagattt caccagggga 480
 30 aaactcatga gcagtctgca cctgaaaaga tattatggga ggattctgca ttacctgaag 540
 31 gccaaaggag acagtcactg tgcctggacc atagtcagag tggaaatcct aaggaacttt 600
 32 tacttcatta acagacttac aggttacctc cgaaactgaa gatctcctag cctgtgcctc 660
 33 tgggactgga caattgcttc aagcattctt caaccagcag atgctgttta agtgactgat 720
 34 ggctaattga ctgcatatga aaggacacta gaagattttg aaatttttat taaattatga 780
 35 gttattttta tttattttaa ttttattttg gaaaataaat tatttttggt gcaaaagtca 840
 38 <210> SEQ ID NO: 2
 39 <211> LENGTH: 166
 40 <212> TYPE: PRT
 41 <213> ORGANISM: Homo sapiens
 43 <400> SEQUENCE: 2
 44 Met Ser Tyr Asn Leu Leu Gly Phe Leu Gln Arg Ser Ser Asn Phe Gln
 45 1 5 10 15
 47 Cys Gln Lys Leu Leu Trp Gln Leu Asn Gly Arg Leu Glu Tyr Cys Leu
 48 20 25 30
 50 Lys Asp Arg Met Asn Phe Asp Ile Pro Glu Glu Ile Lys Gln Leu Gln
 51 35 40 45
 53 Gln Phe Gln Lys Glu Asp Ala Ala Leu Thr Ile Tyr Glu Met Leu Gln
 54 50 55 60
 56 Asn Ile Phe Ala Ile Phe Arg Gln Asp Ser Ser Ser Thr Gly Trp Asn
 57 65 70 75 80
 59 Glu Thr Ile Val Glu Asn Leu Leu Ala Asn Val Tyr His Gln Ile Asn
 60 85 90 95
 62 His Leu Lys Thr Val Leu Glu Glu Lys Leu Glu Lys Glu Asp Phe Thr
 63 100 105 110
 65 Arg Gly Lys Leu Met Ser Ser Leu His Leu Lys Arg Tyr Tyr Gly Arg
 66 115 120 125

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68 Ile Leu His Tyr Leu Lys Ala Lys Glu Tyr Ser His Cys Ala Trp Thr
69      130      135      140
71 Ile Val Arg Val Glu Ile Leu Arg Asn Phe Tyr Phe Ile Asn Arg Leu
72 145      150      155      160
74 Thr Gly Tyr Leu Arg Asn
75      165
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85 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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89 ctgctcctgt 70
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94 <212> TYPE: DNA
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
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102 agctgaacgg 70
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107 <212> TYPE: DNA
108 <213> ORGANISM: Artificial Sequence
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115 tctgaccatc 70
118 <210> SEQ ID NO: 6
119 <211> LENGTH: 70
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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128 aacgtgtacc 70
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132 <211> LENGTH: 70
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
139 <400> SEQUENCE: 7

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140 aggagaagct ggagaaggag gacttcaccc gcggcaagct gatgagctcc ctgcacctga 60
141 agcgctacta 70
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146 <212> TYPE: DNA
147 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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153 ggagtagcgc cactgcgcct ggaccatcgt acgcgtggag atcctgcgca acttctactt 60
154 catcaaccgc 70
157 <210> SEQ ID NO: 9
158 <211> LENGTH: 70
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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166 caccacactg gactagtgga tccttatcag ttgcgcaggt agccggtcag gcggttgatg 60
167 aagtagaagt 70
170 <210> SEQ ID NO: 10
171 <211> LENGTH: 70
172 <212> TYPE: DNA
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
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178 <400> SEQUENCE: 10
179 aggcgcagtg gctgtactcc ttggccttca ggtagtgag gatgcggcca tagtagcgct 60
180 tcaggtgcag 70
183 <210> SEQ ID NO: 11
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185 <212> TYPE: DNA
186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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192 ctccttctcc agcttctcct ccagcacggt cttcaggtgg ttgatctggt ggtacacggt 60
193 ggccagcagg 70
196 <210> SEQ ID NO: 12
197 <211> LENGTH: 70
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
204 <400> SEQUENCE: 12
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206 gcggcgctct 70
209 <210> SEQ ID NO: 13
210 <211> LENGTH: 70

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211 <212> TYPE: DNA
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
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219 gccacaggag                                     70
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224 <212> TYPE: DNA
225 <213> ORGANISM: Artificial Sequence
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232 ggcgatctgg                                     70
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236 <211> LENGTH: 70
237 <212> TYPE: DNA
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245 caccagcatc                                     70
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249 <211> LENGTH: 70
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271 ctggtgcttc                                     70
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276 <212> TYPE: DNA
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279 <220> FEATURE:
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283 agcagggcga tctggagcag gcacttggtg gtcatggtgg cgaagcttaa gtttaaacgc 60
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287 <210> SEQ ID NO: 19
288 <211> LENGTH: 40
289 <212> TYPE: DNA
290 <213> ORGANISM: Artificial Sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
295 <400> SEQUENCE: 19
296 ccgtcagatc ctaggctagc ttattgcggt agtttatcac 40
299 <210> SEQ ID NO: 20
300 <211> LENGTH: 32
301 <212> TYPE: DNA
302 <213> ORGANISM: Artificial Sequence
304 <220> FEATURE:
305 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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312 <211> LENGTH: 77
313 <212> TYPE: DNA
314 <213> ORGANISM: Artificial Sequence
316 <220> FEATURE:
317 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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321 aatccgccag ctgcagc 77
324 <210> SEQ ID NO: 22
325 <211> LENGTH: 35
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336 <210> SEQ ID NO: 23
337 <211> LENGTH: 70
338 <212> TYPE: DNA
339 <213> ORGANISM: Artificial Sequence
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346 aagtagaagt 70
349 <210> SEQ ID NO: 24
350 <211> LENGTH: 31
351 <212> TYPE: DNA
352 <213> ORGANISM: Artificial Sequence

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/648,569

DATE: 09/13/2000
TIME: 18:32:12

Input Set : A:\PTO.txt

Output Set: N:\CRF3\09132000\I648569.raw

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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date